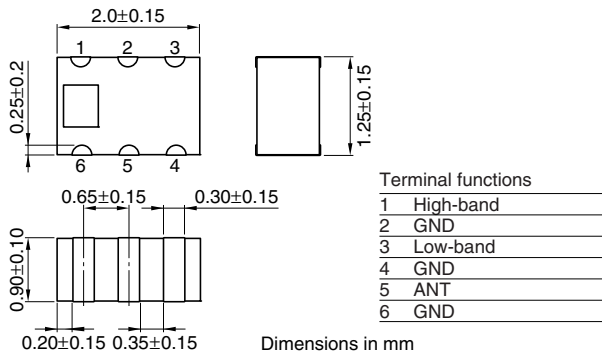


# Multilayer Chip Diplexers For UMTS & LTE

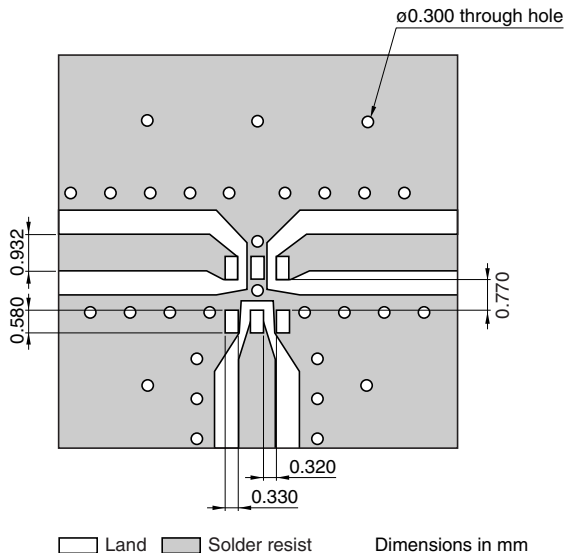
Conformity to RoHS Directive

DPX Series DPX202690DT-4149A2

## SHAPES AND DIMENSIONS



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	Low-Band	704 to 960MHz	(dB) —	0.24	0.30
		1710 to 2170MHz	(dB) —	0.38	0.50
	High-Band	2170 to 2690MHz	(dB) —	0.83	1.20
Attenuation	High-Band	704 to 824MHz	(dB) 17	20.4	—
		824 to 960MHz	(dB) 20	22.8	—
	Low-Band	1710 to 2170MHz	(dB) 15	17.7	—
		2170 to 2690MHz	(dB) 13	16.8	—
VSWR	Low-Band	704 to 824MHz	—	1.29	1.70
		824 to 960MHz	—	1.23	1.50
	High-Band	1710 to 2170MHz	—	1.52	1.70
Temperature range		Operating	(°C) -40	—	+85
		Storage	(°C) -40	—	+85

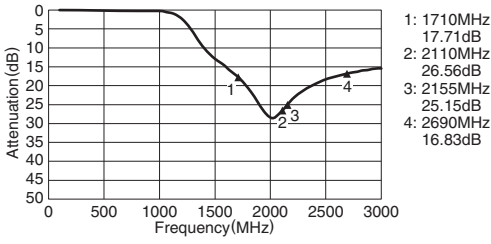
• Ta: +25°C

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

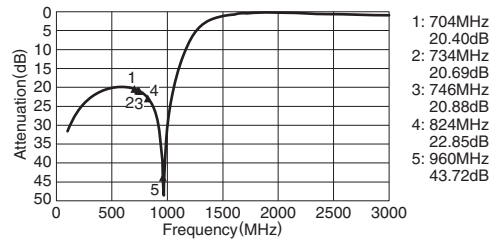
• All specifications are subject to change without notice.

### FREQUENCY CHARACTERISTICS

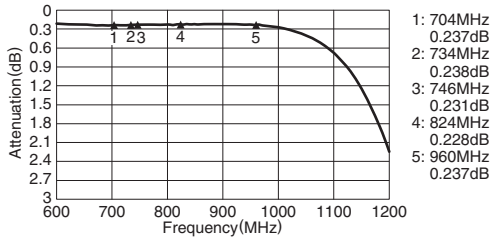
#### Low-BAND PORT S21



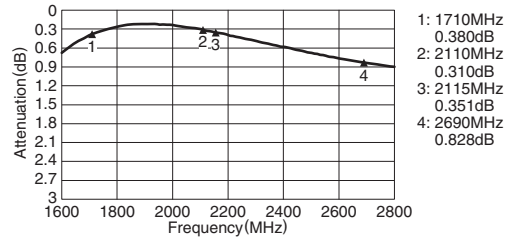
#### High-BAND PORT S31



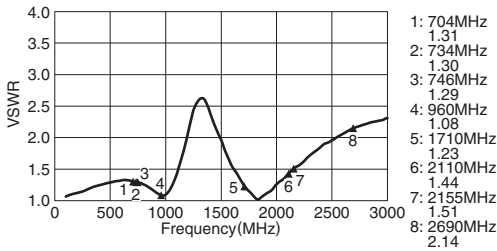
#### Low-BAND PORT S21



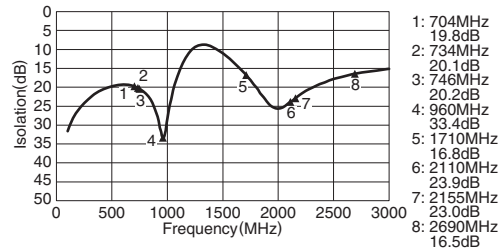
#### High-BAND PORT S31



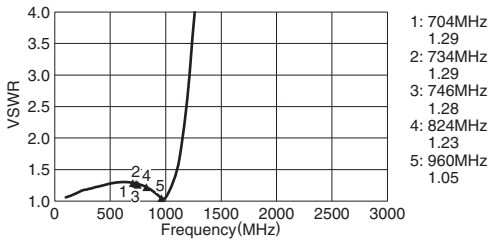
#### COMMON PORT VSWR S11



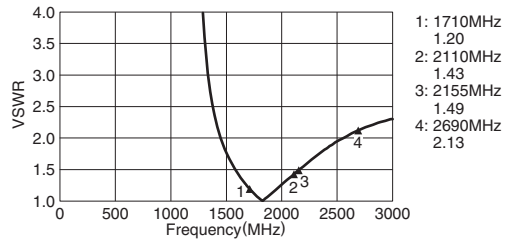
#### ISOLATION S23



#### Low-BAND PORT VSWR S22



#### High-BAND PORT VSWR S33



• All specifications are subject to change without notice.